Abstract (Figure 1)

A first flush water diverter for use with domestic rainwater collection systems. The diverter comprises a T-piece (13) and a collection chamber (14), with an outlet (15) connectable to a hose by way of a flow control valve (24) and hose connector (25). The collection chamber (14) is variable in length to suit the environment and size of the roof from which the rainwater flows. The carrying capacity of the collection chamber (14), and have its length, is determined from the formula:

DF = RA x PF x 1000

where

DF is the rainwater carrying capacity, or diversion factor, measured in litres,

RA is the associated roof area measured in square metres,

PF is the Pollution Factor for the roof location which is determined on site and varies between 0.0005 for light pollution locations and 0.002 for heavy pollution locations,

and wherein said collection chamber includes an outlet and associated flow control valve to regulate the flow of diverted rainwater from the collection chamber.